

Product datasheet

Anti-PGP9.5 antibody ab104938

2 图像

概述

|       |  |
|-------|--|
| 产品名称  | Anti-PGP9.5抗体  |
| 描述    | 山羊多克隆抗体to PGP9.5   |
| 宿主    | Goat   |
| 经测试应用 | 适用于: WB  |
| 种属反应性 | 与反应: Mouse, Rat, Human<br>预测可用于: Horse, Guinea pig, Cow, Dog, Pig, Cynomolgus monkey                  |
| 免疫原   | Synthetic peptide ( C-QHENFRKKQIE ) corresponding to internal sequence amino acids 58-68 of Human PGP9.5 (NP_004172.2).<br><a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a> |
| 阳性对照  | Human Brain (Cerebellum and Hippocampus) and Rat Brain lysates   |

性能

|      |   |
|------|---|
| 形式   | Liquid  |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.  |
| 存储溶液 | Preservative: 0.02% Sodium Azide<br>Constituents: 0.5% BSA, Tris buffered saline, pH 7.3  |
| 纯度   | Immunogen affinity purified   |
| 纯化说明 | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| 克隆   | 多克隆   |
| 同种型  | IgG   |

应用

Our [Abpromise guarantee](#) covers the use of **ab104938** in the following tested applications.

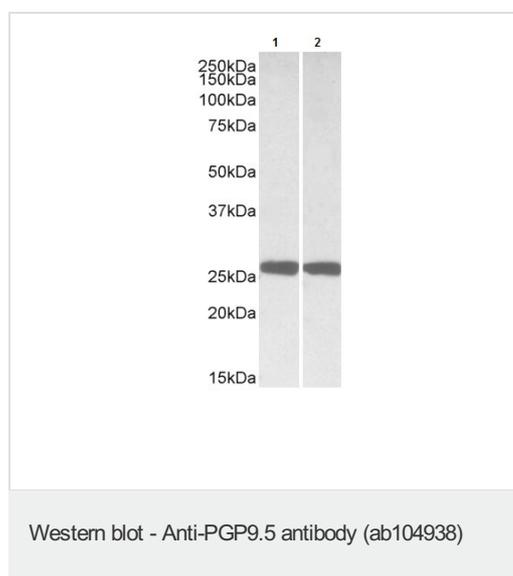
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 应用 | Ab评论 | 说明  |
|----|------|---|
| WB |      | Use a concentration of 0.01 - 0.03 µg/ml. Predicted molecular weight: 25 kDa. |

## 靶标

|              |   |
|--------------|---|
| <b>功能</b>    | Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity. |
| <b>组织特异性</b> | Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients.   |
| <b>疾病相关</b>  | Parkinson disease 5<br>Neurodegeneration with optic atrophy, childhood-onset  |
| <b>序列相似性</b> | Belongs to the peptidase C12 family.  |
| <b>翻译后修饰</b> | O-glycosylated.   |
| <b>细胞定位</b>  | Cytoplasm. Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain.  |

## 图片



**All lanes :** Anti-PGP9.5 antibody (ab104938) at 0.00999999977648258 µg/ml

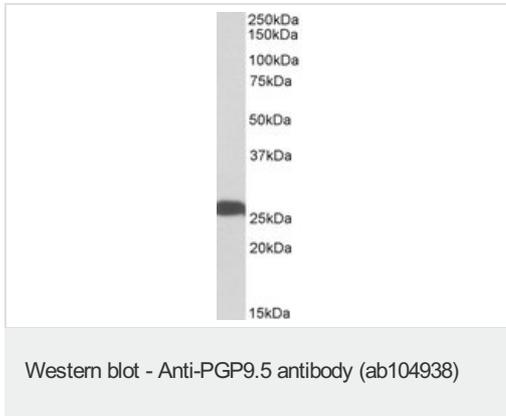
**Lane 1 :** Mouse Brain Lysates in RIPA buffer

**Lane 2 :** Rat Brain Lysates in RIPA buffer

Lysates/proteins at 35 µg per lane.

Developed using the ECL technique.

**Predicted band size:** 25 kDa



Anti-PGP9.5 antibody (ab104938) at 0.01 µg/ml (for 1 hour) +  
Human Hippocampus lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

**Predicted band size:** 25 kDa

**Observed band size:** ~26 kDa

[why is the actual band size different from the predicted?](#)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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